IN THE UNITED STATES PATENT AND TRADEMARK OF LOC / 585376

In re Applicant:

Gil ZWIRN, et al

· Serial No.:

National Phase of PCT/IL2005/000012

Filed:

Herewith

For:

METHODS AND APPARATUS FOR ANALYSING ULTRASOUND IMAGES

Examiner:

Not yet Assigned

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 SAP20 Rec'd PCT/PTO 0 6 JUL 2006

S
S
S
S
Group Art Unit:
Not yet Assigned
S
S
Attorney
Docket: 32187

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a PTO Form 1449 which lists citations which may be material to the patentability and examination of the above identified application. Also enclosed are copies of the references cited. These are submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. The Examiner is requested to make these citations of official record in this application.

This Information Disclosure Statement under 37 CFR 1.56 is not to be construed as a representation that a search has been made, that additional matter which is material to the examination of this application does not exist, or that any or more of these citations constitutes prior art.

> Respectfully submitted, Carla De Mosmika

Martin D. Moynihan Registration No. 40,338

Dated: July 6, 2006

MAPZO REC'É PONTO SE JUL 2006

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Citati ilia sapo,				Complete if Known					
Substitute for form 1449A/PTO				Application Number National Phase of PCT/IL2005/000012		Phase of 9537	A		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT							PCT/iL	2005/000012	
					Filing Dat	e	Herewith		
(use as many sheets as necessary)				First Nam	ed Inventor	Gil ZWIRN, et al Not Yet Assigned			
				Art Unit					
					Examiner	Name	Not Ye	t Assigned	
Sheet	Sheet 1			2 Attorney Docket Number		32187			
			U.S.	PATENT	DOCUME	ENTS			\Box
Examiner Initials*	Cite No. I	Document Number		tion Date D-YYYY	Name of Patentee or Applicant of Cited Document Han et al.			Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Where levant
		Number-Kind Code ^{2 (sf known)}	10.10	005					\dashv
	1	US-5,457,754	10-10-1995		_				\dashv
	2 US-6,346,124 02-12-2002		002		Geiser et al.			\dashv	
					-				_
	├				-				
	<u> </u>		_						
	 								
									_
									_
					<u> </u>				-
	<u> </u>				-				_
			-						_
	 -		l						
	\vdash								_
	1								_
									_
	1 00		FORE	GN PATE	NT DOCU	JMENTS		Poses Columns Lines	_
Examiner Initials*	Cite No. 1	Foreign Patent Documents Country Code ³ Number ⁴ Kind Code ³ (if known)		MM-	Publication Date Name of Patent MM-DD-YYYY Applicant of Cited I			Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т 6
-	┼			"——			-		Г

		FOREIGN	PATENT DOCU	MENIS		
Examiner Initials*	Cite No. 1	Foreign Patent Documents Country Code ³ : Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
						
						_
						┖
						L
						1_
Examiner Signature				Date Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.usplo.gov or MPEP 901.04. Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3.)

*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Papplicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14, this collection is estimated to take 2 hours to complete, including eathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office. U.S. Department of commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

MP20 Rec'd PCT/PTO 0 6 JUL 2006

PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

		oct of 1995, no persons are required to respond to a collection of information u	nless it contains a valid OMB of	ontrol number.			
Under the Paperworl			Complete if Known				
		titute for form 1449A/PTO	Application Number Nationa Place of 7 6				
	INFO	RMATION DISCLOSURE	Filing Date	Herew	th		
	COTTAC	TEMENT BY APPLICANT	First Named Inventor	Gil ZV	/IRN, et al		
	SIA	LEMENT DI ATTERMA	Group Art Unit	Not Ye	t Assigned		
		use as many sheets as necessary)	Examiner Name	Not Yo	t Assigned		
			Attorney Docket Num				
Sheet	2	Of 12					
Silver	1	OTHER PRIOR ART – NON PATENT LITER	RATURE DOCUMEN	title of the			
Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the	article (when appropriate),	number(s).	T^2		
	No.1						
Initials	No. 1 item (book, magazine, journal, seria symposium, where published. 3 Herment et al. "Improved Estimation of Low Velocities in Color Doppler Imaging by Herment et al." Improved Estimation of Low Velocities in Color Display. In Estimation of Low Velocities in Color Display.						
	3	Herment et al. "Improved Estimation of Low Velocity	n Baisation Filter" IF	FE	i i		
ļ		Adapting the Mean Frequency Estimator to the Clutter	ooz 1006		\ \		
		Transactions on Biomedical Engineering, 43(9): 919-	927, 1990.				
	4	Joseph et al "Evaluating A Robust Contour Tracker of	n Echocardiographic				
1	-	Louisian Medical Image Analysis 3(1): 63-73, 15	, ,				
	5				1		
	3	Discourse Dased on Ternary Thresholding M	ethod , ieee Floceed	ings of the	ļ .		
	1	1 and 1 and Conformed on Pattern Recognition	1. 4. 320-323, 2000.				
	\	t ett Cilemponio Imaging Without Ed	chocardiographic Con	rast to] [
,	6	Improve Two-Dimensional Image Quality", America	n Journal of Cardiolo	gy, 82:	1 1		
		Improve Two-Dimensional image Quarty, America	III VOULINA				
1		794-799, 1998.					
					 		
					\		
					 		
 	+				+		
	+-						
	1						
					F		
				mad .			
	\rightarrow		Conside	ricu	1		

Signature

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

*Applicant's unique citation designation number (optional). *Applicant is to place a check mark here if English language Translation is attached.

*This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the This collection of information is required by 35 U.S.C. 122 and 37 CFR 1.14, this collection is estimated to take 2 hours to complete, including USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14, this collection is estimated to take 2 hours to complete, including ugaPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14, this collection is estimated to take 2 hours to complete, including ugaPTO to produce and ugaPTO to proceed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.